

(FILE 'USPAT' ENTERED AT 12:26:21 ON 13 DEC 1998)

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L1 17133 S (NETWORK# OR "LAN") (P) (SURVEILLANCE OR MONITOR? OR SECURI  
L2 67135 S DIGITAL (P) (RECORD? OR STORAGE OR FILE#)  
L3 470 S L2 (P) L1  
L4 64646 S CONFEREN? OR TELECONFEREN? OR TELE-CONFEREN? OR TWO-WAY OR  
L5 201 S L4 AND L3  
L6 137871 S VIDEO OR CAMERA#  
L7 126 S L6 AND L5  
L8 83 S L7 AND 19940101-19960709/FD

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2. 5,834,821, Nov. 10, 1998, Triangular semiconductor "AND" gate device; Michael D. Rostoker, et al., 257/401, 204, 208, 365 [IMAGE AVAILABLE]
3. 5,826,166, Oct. 20, 1998, Digital entertainment terminal providing dynamic execution in **video** dial tone networks; Kenneth R. Brooks, et al., 455/5.1; 348/10, 12; 455/6.2 [IMAGE AVAILABLE]
4. 5,822,214, Oct. 13, 1998, CAD for hexagonal architecture; Michael D. Rostoker, et al., 364/488, 489, 490, 491, 578 [IMAGE AVAILABLE]
5. 5,818,102, Oct. 6, 1998, System having integrated circuit package with lead frame having internal power and ground busses; Michael D. Rostoker, 257/666, 669, 692 [IMAGE AVAILABLE]
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14. 5,790,176, Aug. 4, 1998, Media server for supplying **video** and multi-media data over the public switched telephone network; Bernard Jeff Craig, 348/13, 7; 455/6.3 [IMAGE AVAILABLE]
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US PAT NO: 5,805,806 [IMAGE AVAILABLE]

L8: 10 of 83

## ABSTRACT:

A local area **network (LAN)** supports both baseband **digital LAN** signals and **video**, including television signals originating outside the **network** and local **video** generated within the **network**. The **network** may include personal computers, television receivers, **video** cassette **recorders**, printers, and **video cameras**. Connection circuitry permits each device to receive both the **video** and the **digital LAN** signals through a single coaxial cable connection. The connection circuitry includes a **LAN** transceiver for each device in the **network** to enable each device to transmit, receive, and decode **digital LAN** signals. A computer interface enables any personal computer in the **network** to receive and display television signals received by the **network** and **video** generated by another computer or other device. A television interface enables any television in the **network** to receive and display local **video** output by a personal computer or other device in the **network** and enables the television to be used as a remote **monitor** for the computer.

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US PAT NO: 5,802,283 [IMAGE AVAILABLE]

L8: 11 of 83

## ABSTRACT:

A public switched telephone network for providing information from a multimedia information server to any one of a plurality of subscriber premises, comprises a central office receiving multimedia information signals from a multimedia information server and orders from a prescribed subscriber. The central office includes a gateway system for conveying routing data in response to subscriber orders and a switch for routing multimedia signals from the server to the prescribed subscriber in accordance with the routing data. An interface at the central office transmits and receives audio telephone service signals, subscriber control signals and digital multimedia information signals on first, second and third signal channels. Each subscriber premises includes an interface for transmitting and receiving audio telephone service signals, subscriber control signals and digital multimedia information signals on the three signal channels. A plurality of subscriber local loops interconnect each subscriber interface and the central office interface. Multimedia information is collected from information providers and stored at media servers that provide a library of data and control sessions. Software modules at the media servers and resident terminals enable **interactive** multimedia session building, sharing of databases and joint authoring of multimedia presentations.

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US PAT NO: 5,790,176 [IMAGE AVAILABLE]

L8: 14 of 83

## ABSTRACT:

A media server receives, stores and forwards multi-media data and full motion **video** feature presentations within a public switched telephone **network**. The media server receives wide band **digital video** and MPEG encoded **video** signals. The wide band **digital video** is encoded using either a real-time MPEG encoding for immediate transmission over **network** facilities to subscribers or, using a multi-pass MPEG encoder for **storage** by the Media Server for subsequent transmission. The Media Server includes four levels of **storage** including DRAM, optical and magnetic disk **storage**, high speed tape **storage** and archival **storage**. A Librarian Processor allocates **storage** space on a media appropriate to retrieval requirements for the **video** data. The Librarian is responsive to a **Storage** Manager Processor and a Session Manager Processor for providing **video** program data to an Output Controller. The Session Manager Processor **monitors** all input, output and throughput of the Media Server and **monitors** all user initiated sessions. Interface with users for multi-media applications and **interactive** control of **video** presentations is over a packet data **network**, via an **interactive** processor which receives and decodes control data. A Multi-Media Application Processor supports multi-media applications resident on the Media Server.

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US PAT NO: 5,778,187 [IMAGE AVAILABLE]

L8: 18 of 83

## ABSTRACT:

A scalable architecture is disclosed for delivery of real-time information over a communications network. Embedded into the architecture is a control mechanism that provides for the management and administration of users who are to receive the real-time information. In the preferred embodiment, the information being delivered is high-quality audio. However, it could also be **video**, graphics, text or any other type of information that can be transmitted over a digital network. Preferably, there are multiple channels of information available simultaneously to be delivered to users, each channel consisting of an independent stream of information. A user chooses to tune in or tune out a particular channel, but does not choose the time at which the channel distributes its information. Advantageously, **interactive (two-way)** information can be incorporated into the system, multiple streams of information can be integrated for delivery to a user, and certain portions of the information being delivered can be tailored to the individual user.

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US PAT NO: 5,753,970 [IMAGE AVAILABLE]  
DATE FILED: Apr. 2, 1996

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SUMMARY:

BSUM(35)

It . . . or BLP's may act as, or be integrated into a functional system or subsystem. The system level products contemplated include **digital** (or other) data **storage** systems; **security** and **surveillance** systems , general purpose computers (such as personal computers, work stations, servers, mini computers, mainframe computers and super computers); **digital** audio and **video** compression and transmission systems; transportation vehicles (such as airplanes, trains, automobiles, helicopters, rockets, missiles, boats, submarines, and the like); subsystems. . . Global Positioning System (GPS), navigational displays and controllers, hazard avoidance such as radar and sonar, fly by wire control, and **digital** engine control and **monitoring**); entertainment systems (such as **digital** television and radio, **digital cameras**, audio and **video recorders**, compact disc players, **digital** tape, or the like); and communications systems (such as PBX, telephone switching, voice mail, auto attendant, **network** controllers, **video teleconferencing**, **digital** data transmission (such as token ring, ethernet, ATM, or the like), and including subsystems or subassemblies for inclusion or attachment. . .

DETDESC:

DETD(44)

(b) information and entertainment transmission systems comprising telecommunications, satellite, cable, cellular telephones, private branch exchange, telephone switching, and **video** picture telephones wherein the information may be digitally compressed and forward error corrected;

DETDESC:

DETD(45)

(c) entertainment systems comprising digital **video** and audio systems, such as digital analog tape and high definition television, playback devices, display and reproduction means, for example, televisions, **cameras**, recorders, compact disc players/recorders, digital tape players/recorders and the like;

DETDESC:

DETD(61)

FIG. . . . system 1500 may be comprised of the following component subsystems: a high definition television (HDTV) 1502, a stereo 1504, a **video** cassette recorder (VCR) 1506, a television **camera**/recorder (Camcorder) 1508, a digital audio tape unit (DAT) 1510, a compact disk player (CD) 1512, a VHF/UHF tuner 1514, a. . .

DETDESC:

DETD(63)

FIG. . . . benefit from the features, aspects and advantages of the present invention. Some of these subsystems are a digital audio and **video** formatting subsystem 1614 which convert the analog entertainment information into a digital format, and a digital compression and forward error. . .

DETDESC:

US PAT NO: 5,740,231 [IMAGE AVAILABLE]

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## ABSTRACT:

A communications system (10) is provided which comprises a plurality of network hubs (12), (14), and (16). Network hubs (12), (14), and (16) are interconnected through a communications network (18). The system (10) interconnects messaging systems (24), (26), (28), (30), (32), (34), (36), (40), (42) and (44) having disparate capabilities and using disparate communications protocols. The network hubs use numbers of connection processors (52) and (54) to interact with the messaging systems. A hub database (68) and message store (58) are used to store control information and messaging information within the network hubs. A network processor (60) is used to interact with other hubs within the communications system (10). A message router (72), connection manager (74), data replicator (76), and an administrative event manager (78) are used to control the operations of the hub in processing a message. A management server (64) and a event processor (70) are used by communications system (10) to manage the internal operations of each of the network hubs. The network center (37) contains a customer computer interface system (167) and an **interactive** voice response system (169) to allow user interaction with information provider databases (39), a customer service system (161), a message tracking system (163), a billing system (159), and a HelpLine system (157). The network center (37) contains a master database (151) that is used to synchronize the databases stored in each of the network hubs (12), (14), and (16).

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US PAT NO: 5,731,785 [IMAGE AVAILABLE]

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## ABSTRACT:

A system and method are provided for communicating between a person, object, and/or vehicle carried transceiver and a monitor station to locate and track the movement of the same for security or anti-crime purposes. A portable computing and communication device carried by a person or located (hidden) in an object generates and transmits via radio signals a plurality of codes when remotely activated. One (or more) code(s), identifying or descriptive of the person, object or vehicle to be tracked, is (are) generated and transmitted to a monitor station to display character and/or ~~video~~ picture information describing and/or physically displaying a picture of a select person and/or vehicle and license plate information to permit police or security personnel to recognize the same. Such coded information may be immediately transmitted or retransmitted from the monitor station to a radio receiver carried by a policeman or in one or more police vehicles. The portable device is equipped with location sensing capability, such as receiving signals from satellites such as from the GPS constellation, and a computer for calculating its position using triangulation methods. Transmission of the position signals from the portable device is inhibited for a time by entering thereat an inhibit personal identification number (PIN). Further, PINs are used by the monitoring station to activate and/or override the inhibiting feature.

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US PAT NO: 5,704,364 [IMAGE AVAILABLE]

L8: 41 of 83

## ABSTRACT:

Method and apparatus for voice interaction between the service provider to the patient whose life signs, e.g. an electrocardiograph (ECG), concurrently are being monitored are described. Patient data and voice communication are conveyed on a single, or common, public switched telephone (PSTN) line. A life signs monitor at the patient site is connected to the patient and to a digital simultaneous voice and data (DSVD) device having the ability to digitize and compress the patient's voice and having the ability to decompress and analogize the physician's voice via a standard telephone. A modem modulates and demodulates transmitted and received data over the telephone line. At a remote monitoring site a second modem receives and transmits data over the same telephone line. The second modem is connected with a second DSVD device connected to a display- or printer-equipped receiving station for presentation in textual or graphic form to a remote service provider the patient data, e.g. in the form of an ECG trace. Thus, the service provider has the ability to overview patient life signs monitoring while in direct vocal communication with the patient, for instructing the patient or otherwise reassuring the patient of the proper use of the life signs monitor or diagnosing or prescribing in real-time response to what is gleaned from the monitoring.

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